PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10551649 Filing Date 2005-09-29 First Named Inventor Yechezkel Barenholz Art Unit 1612 Examiner Name Isaac Shomer Attorney Docket Number BARENHOLZ 9A

		Remove				
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	4138480	А	1979-02-06	GOSALVEZ	
	2	4199571	А	1980-04-22	ANGELUCCI et al.	
	3	4216157	А	1980-08-05	ANGELUCCI et al.	
	4	4229355	А	1980-10-21	PENCO et al.	
	5	4314054	А	1982-02-02	ACTON et al.	
	6	4672057	А	1987-06-09	BARGIOTTI et al.	
	7	5013556	А	1991-05-07	WOODLE et al.	
	8	5192549	А	1993-03-09	BARENHOLZ et al.	

/Isaac Shomer/ 03/29/2011

(Not for submission under 37 CFR 1.99)

Application Number		10551649
Filing Date		2005-09-29
First Named Inventor Yeche		ezkel Barenholz
Art Unit		1612
Examiner Name Isaac		Shomer
Attorney Docket Number		BARENHOLZ 9A

9	5304687	A	1994-04-19	BARGIOTTI et al.	
10	5316771	А	1994-05-31	BARENHOLZ et al.	
11	5395619	А	1995-03-07	ZALIPSKY et al.	
12	5677337	А	1997-10-14	WEI et al.	
13	5785987	А	1998-07-28	HOPE et al.	
14	5817856	А	1998-10-06	TIROSH et al.	
1 5	5939096	А	1999-08-17	CLERC et al.	
16	6043094	А	2000-03-28	MARTIN et al.	
17	6165501	А	2000-12-26	TIROSH	
18	6586001	B1	2003-07-01	ZALIPSKY	
19	6630579 /Isaac Shomer/	B1	2003-10-07	CHARI et al.	03/29/2011

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /I.S./

(Not for submission under 37 CFR 1.99)

Application Number		10551649
Filing Date		2005-09-29
First Named Inventor Yeche		ezkel Barenholz
Art Unit		1612
Examiner Name Isaac		Shomer
Attorney Docket Number		BARENHOLZ 9A

	20	7015251	B1	2006-03	3-21	WANEBO					
If you wis	h to ac	d additional U.S. Pate	nt citatio	n inform	ation pl	ease click the	Add button.		Add		
U.S.PATENT APPLICATION PUBLICATIONS Remove											
Examiner Initial*	LCITA NO I		Kind Code ¹	Publication Date		Name of Patentee or Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1										
If you wis	h to ac	d additional U.S. Publ	ished Ap	plication	r citation	n information p	olease click the Add	button	Add		
				FOREIG	GN PAT	ENT DOCUM	ENTS		Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	or V	vhere Rele	or Relevant	T5
	1	0059517	wo		A1	2000-11-12	WANEBO et al.				
	2	0149698	wo		A1	2001-07-12	CHARI et al.				
	3	04082579	wo		A2	2004-09-30	GERONI et al.				
	4	04087097	wo		A2	2004-10-14	BARENHOLZ				
	5	05046637 /Isaac Shomer/	wo		A2	2005-05-26	VELDMAN et al.		03/29/2	2011	
If you wis	h to ac	d additional Foreign F	atent Do	cument	citation	information pl	ease click the Add	button	Add	,	
	NON-PATENT LITERATURE DOCUMENTS Remove										

(Not for submission under 37 CFR 1.99)

Application Number		10551649
Filing Date		2005-09-29
First Named Inventor Yeche		ezkel Barenholz
Art Unit		1612
Examiner Name Isaac		Shomer
Attorney Docket Number		BARENHOLZ 9A

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T 5
	1	Cuvillier "Suppression of ceramide-mediated programmed cell death by sphingosine-I-phosphat", Nature, Vol. 381, pp. 800-803 (1996)	
	2	Drummond et al. "Optimizing Liposomes for Delivery of Chemotherapeutic Agents to Solid Tumors", American Society for Pharmacology and Experimental Therapeutics, Vol. 15, No. 4, pp. 691-743 (1999)	
	3	Huang et al. "Pharmacokinetics and Therapeutics of Sterically Stabilized Liposomes in Bearing C-26 Colon Carcinoma" Cancer Research 52, pp. 6774-6781 (1992)	
	4	Khazanov et al. "Physicochemical and Biological Characterization of Ceramide-Containing Liposomes: Paving the Way to Ceramide Therapeutic Application" Langmuir, 24, pp. 6965-6980 (2008)	
	5	Kumar "Complementary molecular shapes and additivity of the packing parameter of lipids" Proc. Natl. Acad. Sci. Vol. 88, pp. 444-448 (1991)	
	6	Modrak et al. "Sphingolipid targets in cancer therapy", Mol. Cancer Ther. 5(2), pp. 200-208 (2006)	
	7	Nicholas et al. "Effect of grafted polyethylene glycol (PEG) on the size, encapsulation efficiency and permeability of vesicles", Biochimica et Biophysica Acta 1463, pp. 167-178 (2000)	
	8	Noda et al. "Pharmacodynamics and Tumoricidal Effect of Adriamycin Entrapped Ceramide Sulfate-Containing Liposomes, Biol. Pharm. Bull 17(9), pp. 1246-1250 (1994).	
	9	Ogretmen et al. "Role of Ceramide in Mediating the Inhibition of Telomerase Activity in A549 Human Lung Adenocarcinoma Cells" The Journal of Biological Chemistery, Vol. 276, No. 27, pp. 24901-24910 (2001)	
	10	Schroeder et al. "Ultrasound triggered release of cisplatin from liposomes in murine tumors", Journal of Controlled Release 137, pp. 63-68 (2009) //saac Shomer/ 03/29/2011	

(Not for submission under 37 CFR 1.99)

Application Number		10551649
Filing Date		2005-09-29
First Named Inventor Yeche		ezkel Barenholz
Art Unit		1612
Examiner Name Isaac		Shomer
Attorney Docket Number		BARENHOLZ 9A

	11	Stover et al. "Cancer Therapy: Preclinical / Systemic Delivery of Liposomal Short-Chain Ceramide Limits Solid Tumor Growth in Murine Models of Breast Adenocarcinoma" Clin Cancer Res, 11(9), pp. 3465-3474 (2005)							
	12	Tirosh et al. "Hydration of Polyethylene Glycol-Grafted Liposomes", Biophysical Journal, Vol. 74, pp. 1371-1379 (1998)							
	13	Veldman et al. "N-hexanoyl-sphingomyelin potentiates in vitro doxorubicin cytotoxicity by enhancing its cellular influx", British Journal of Cancer, Vol. 90, pp 917-925 (2004)							
	14	Zolnik et al. "Rapid Distribution of Liposomal Short-Chain Ceramide in Vitro and in Vivo" Drug Metabolism and Disposition, Vol. 36, No. 8, pp.1709-1715 (2008)							
If you wish	n to ac	dd additional non-patent literature document citation info	ormation please click the Add b	utton Add					
		EXAMINER SIGNA	TURE						
Examiner	Signa	nture /Isaac Shomer/	Date Considered	03/29/2011					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									
¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.									